Title (en)

MODELING AND REDUCTION OF DRONE PROPULSION SYSTEM NOISE

Title (de)

MODELLIERUNG UND REDUKTION DES RAUSCHENS EINES DROHNENANTRIEBSSYSTEMS

Title (fr)

MODÉLISATION ET RÉDUCTION DE BRUIT DE SYSTÈMES DE PROPULSION DE DRONE

Publication

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Application

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Abstract (en)

[origin: WO2016118626A1] In some embodiments, a method, apparatus and computer program for reducing noise from an audio signal captured by a drone (e.g., canceling the noise signature of a drone from the audio signal) using a model of noise emitted by the drone's propulsion system set, where the propulsion system set includes one or more propulsion systems, each of the propulsion systems including an electric motor, and wherein the noise reduction is performed in response to voltage data indicative of instantaneous voltage supplied to each electric motor of the propulsion system set. In some other embodiments, a method, apparatus and computer program for generating a noise model by determining the noise signature of at least one drone based upon a database of noise signals corresponding to at least one propulsion system and canceling the noise signature of the drone in an audio signal based upon the noise model.

IPC 8 full level

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